

000000-12980460

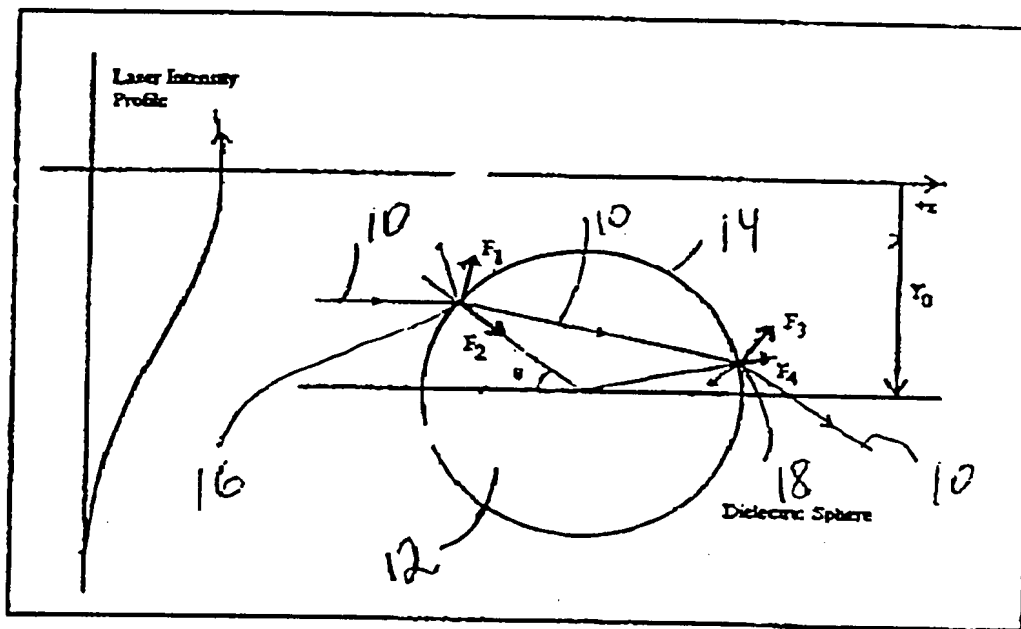


Fig. 1

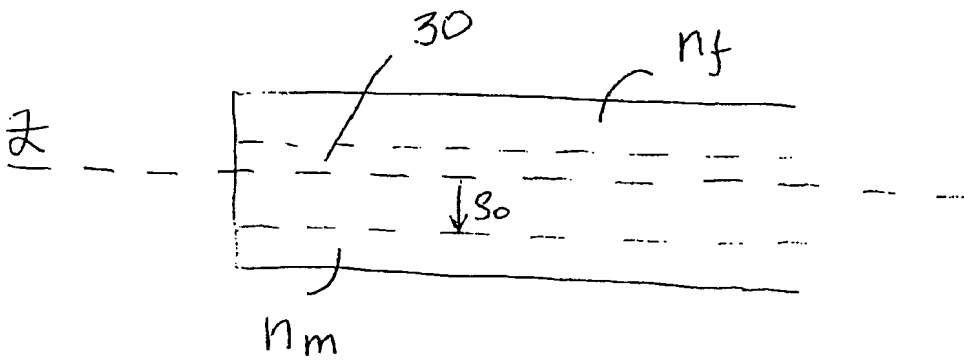
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Fig. 2

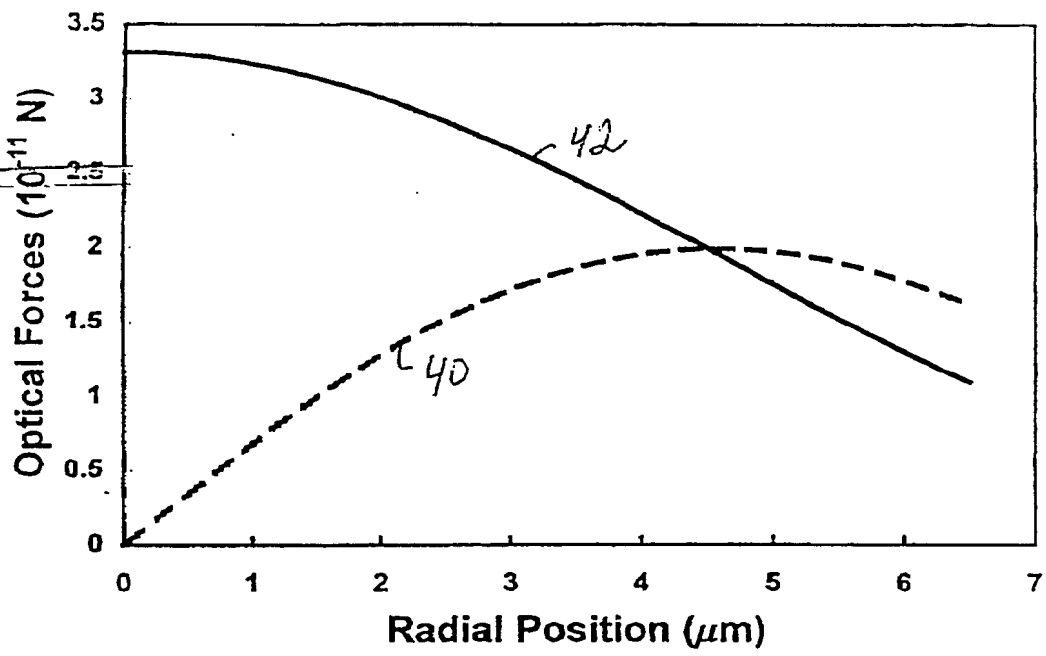


Fig. 3

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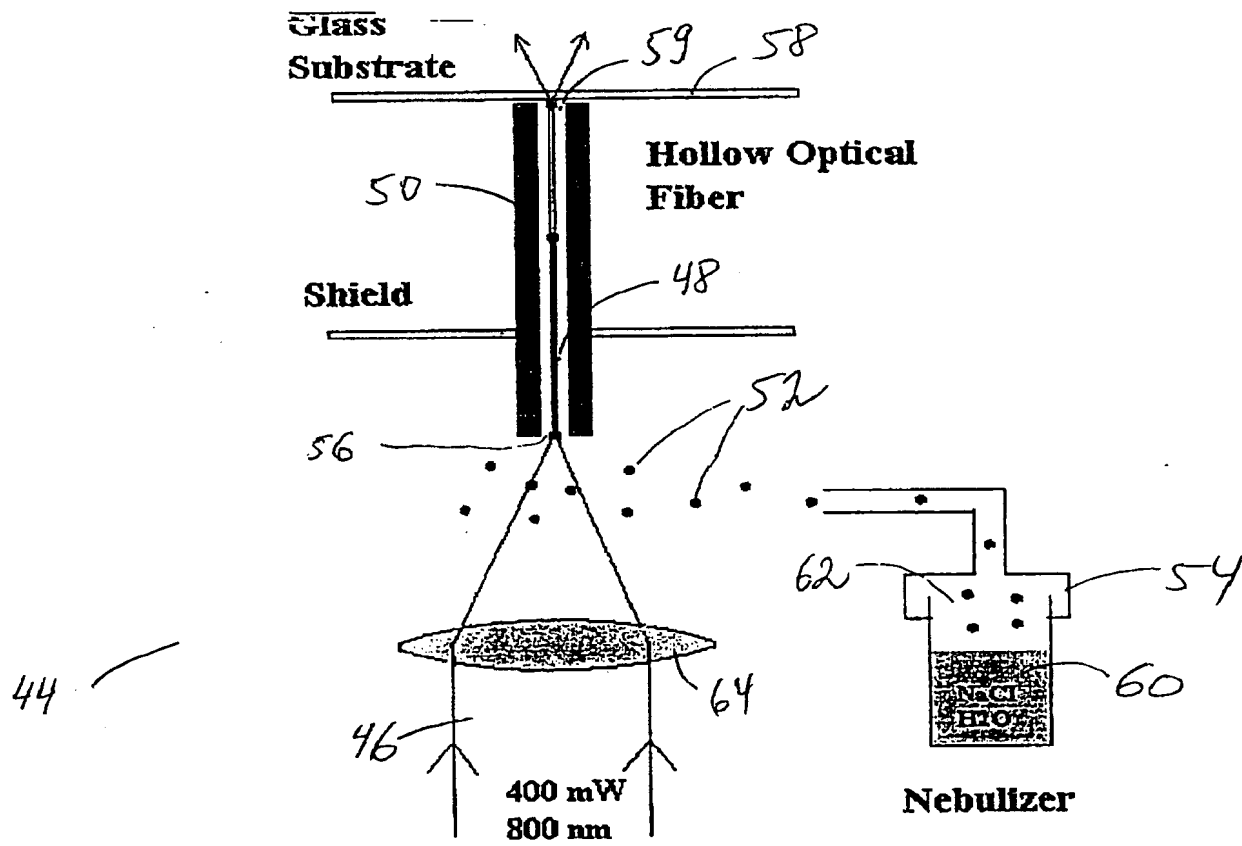


Fig. 4

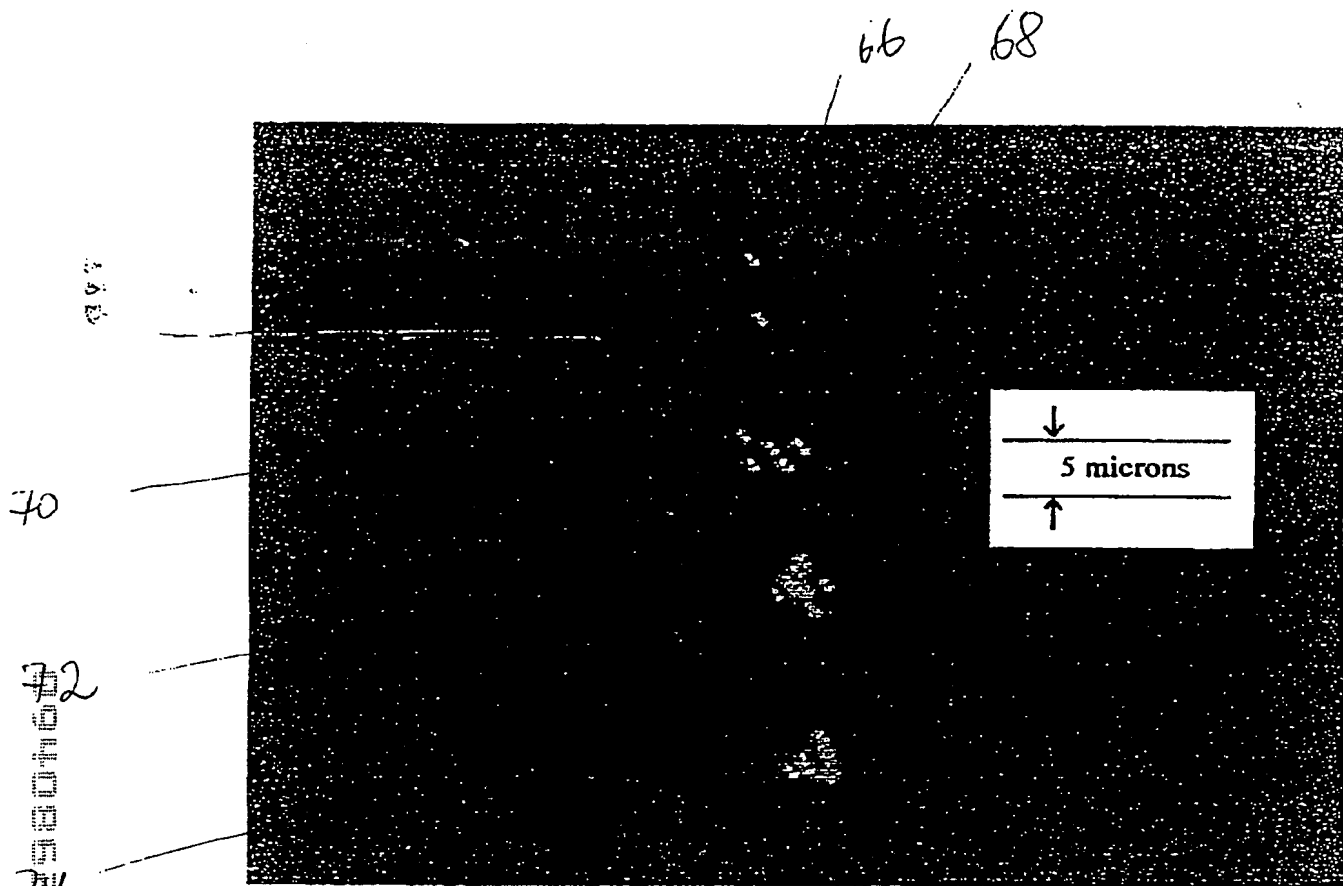


Fig. 5

Barium Titanate Deposits

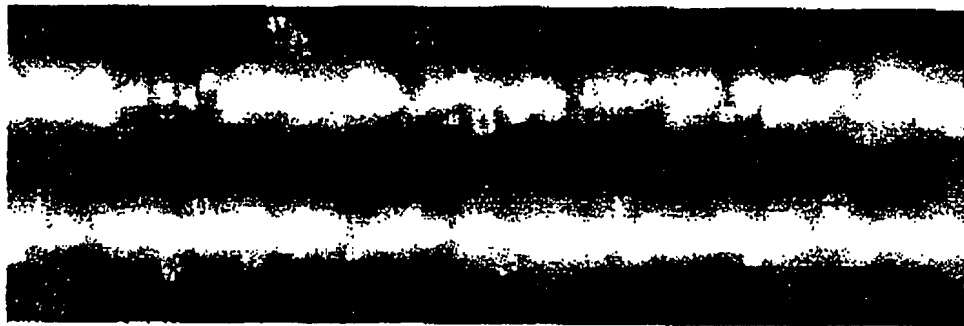
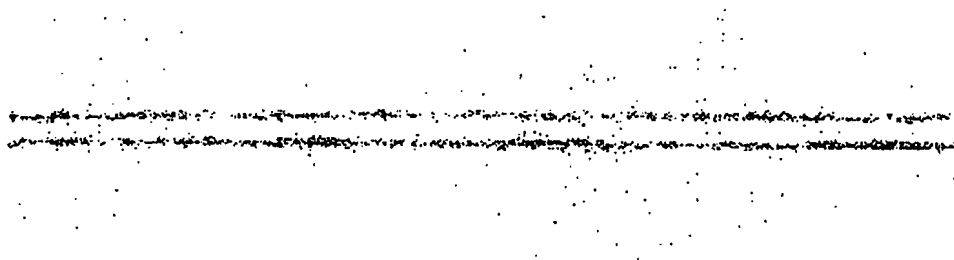


Fig. 6 (a)



Indium Oxide (a) and Silver (b)

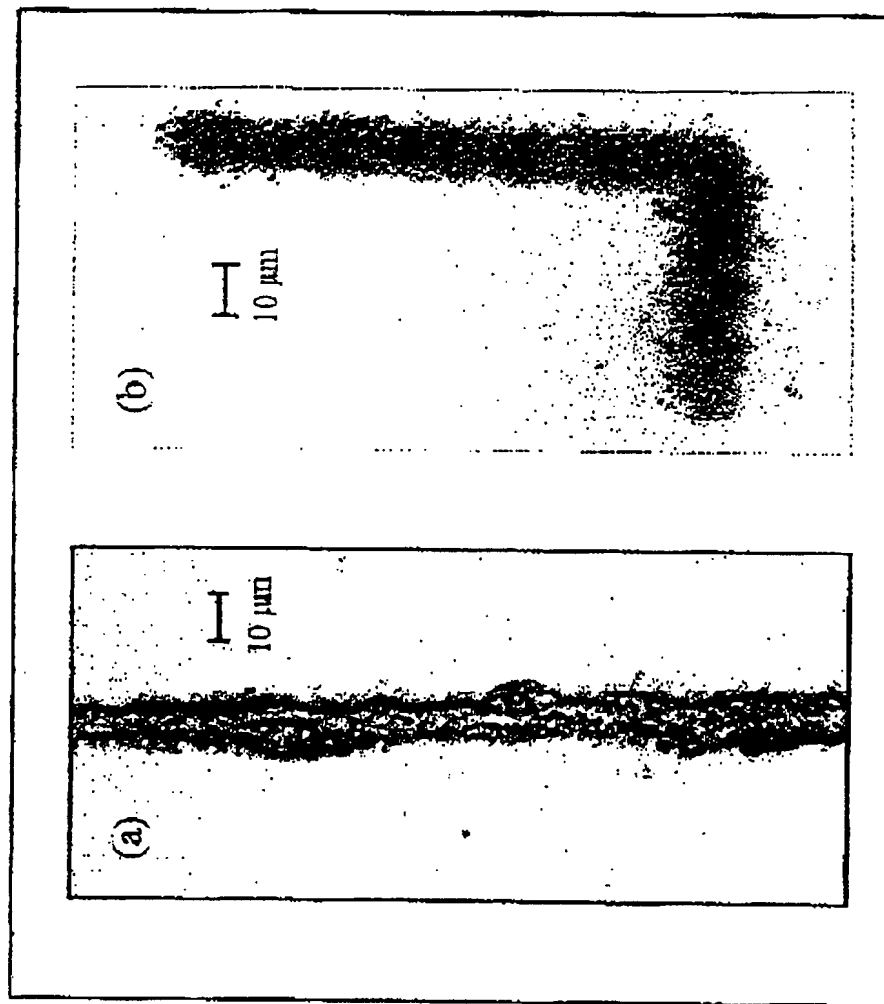


Fig. 6(b)

Fig. 6(c)

Aluminum Nitrate/Aluminum Oxide Deposits

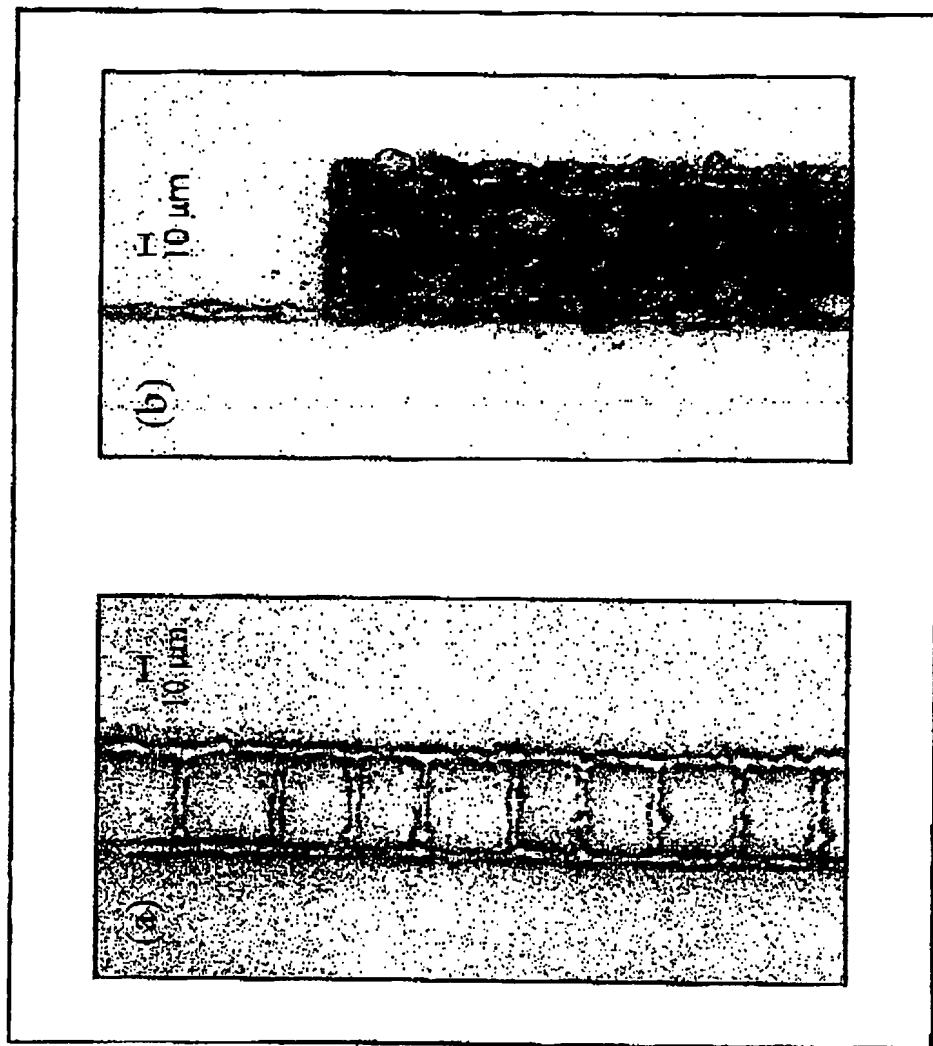


Fig. 6(d)

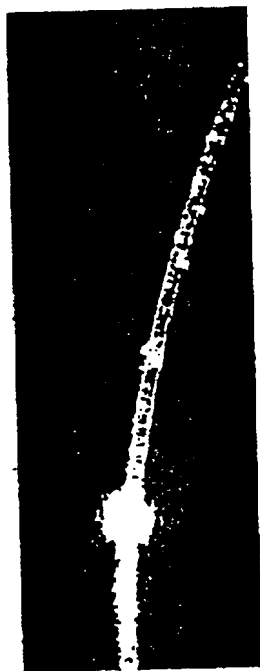
Fig. 6(e)

000000-000000

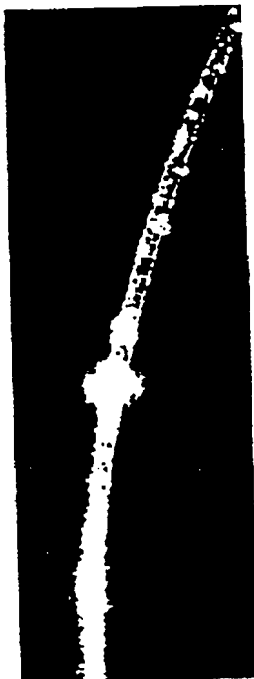
a)



b)



c)



d)

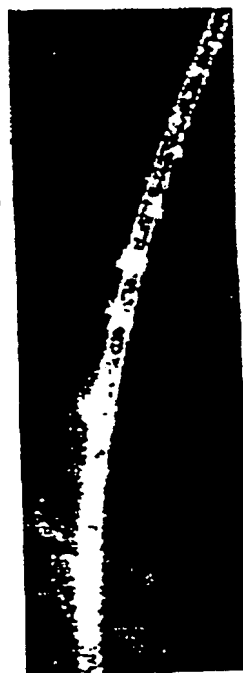


Fig. 7

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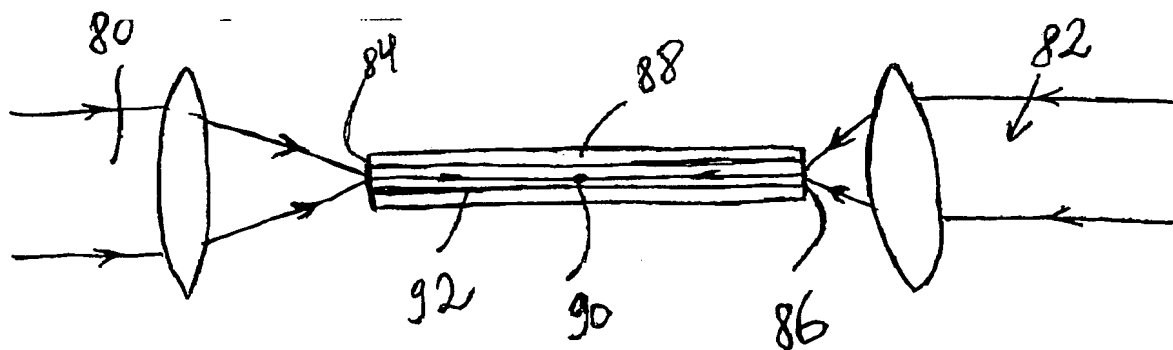


Fig. 8

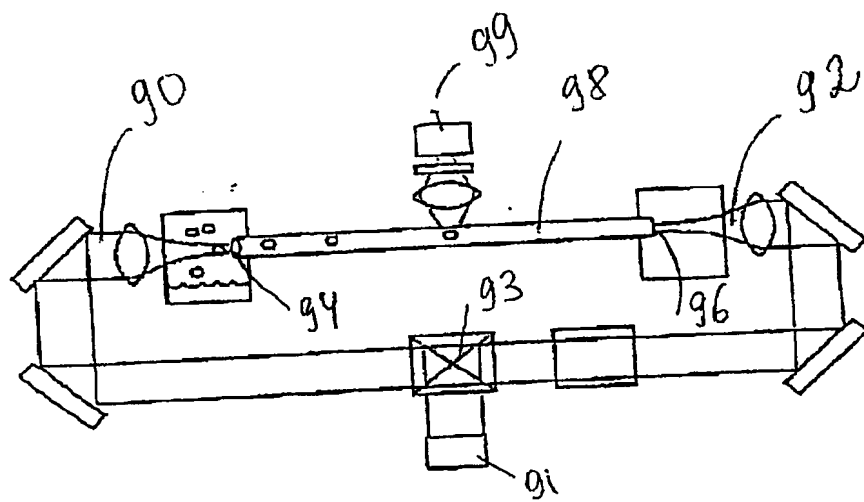


Fig. 9

Table 1.

Materials Manipulated	
Metals	Au, Ag, Pd, Rh, Pt
Dielectrics	Glass, BaTiO ₃ , Al ₂ O ₃
Semiconductors	Si, Ge, CdS, InO
Liquids	H ₂ O, acids, bases, solvents, salt solutions
Plastics	Polystyrene
Biological	Embryonic nerve and glial cells, bacteria, microtubules
Substrates used	
Glass, Ceramic, Plastic, Paper, Si, Kapton	
Line Dimensions - 3 μ m \pm 0.5 μ m	

Fig. 10